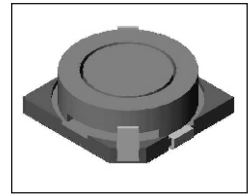


SMT Power Inductor

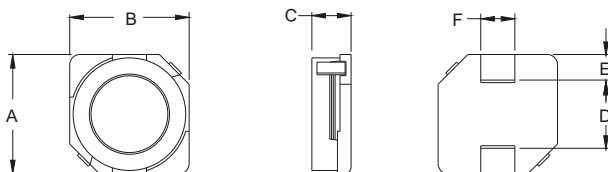
SIWCM73L Type

Features

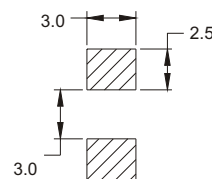
- RoHS compliant.
- Low profile (2.5mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



Mechanical Dimension:



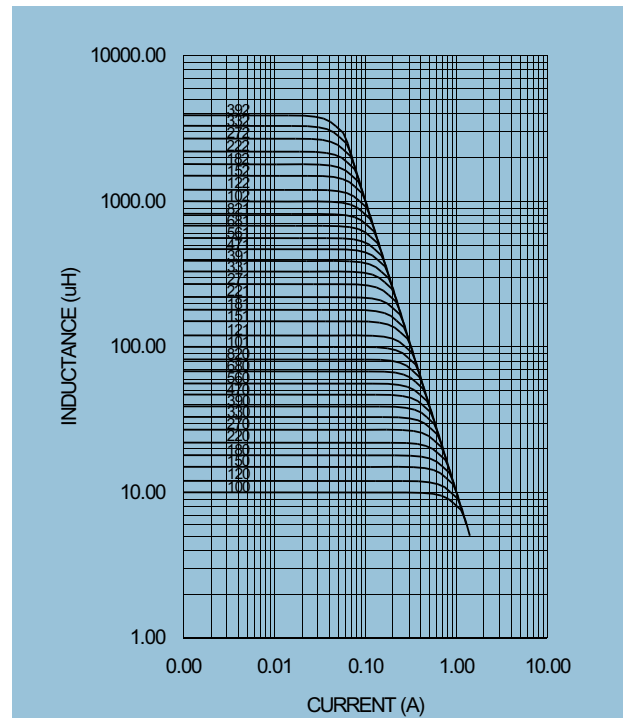
RECOMMENDED PAD PATTERNS



UNIT:mm/inch
 A = 7.0 ± 0.3 / 0.276 ± 0.012
 B = 7.0 ± 0.3 / 0.276 ± 0.012
 C = 2.5 / 0.098 Max.
 D = 4.0 ± 0.1 / 0.157 ± 0.004
 E = 1.5 / 0.059
 F = 2.0 / 0.079

Electrical Characteristics: 25°C: 1KHz, 1V

PART NO.	L ¹ (μH)	DCR (Ω) MAX	I _{rated} ² (A _{dc})
SIWCM73L-100	10	0.200	0.700
SIWCM73L-120	12	0.220	0.616
SIWCM73L-150	15	0.291	0.572
SIWCM73L-180	18	0.307	0.524
SIWCM73L-220	22	0.355	0.468
SIWCM73L-270	27	0.412	0.432
SIWCM73L-330	33	0.456	0.392
SIWCM73L-390	39	0.580	0.372
SIWCM73L-470	47	0.671	0.340
SIWCM73L-560	56	0.735	0.284
SIWCM73L-680	68	0.981	0.276
SIWCM73L-820	82	1.110	0.256
SIWCM73L-101	100	1.250	0.228
SIWCM73L-121	120	1.400	0.208
SIWCM73L-151	150	1.850	0.188
SIWCM73L-181	180	2.110	0.168
SIWCM73L-221	220	2.540	0.160
SIWCM73L-271	270	4.130	0.144
SIWCM73L-331	330	4.350	0.128
SIWCM73L-391	390	4.860	0.120
SIWCM73L-471	470	6.640	0.104
SIWCM73L-561	560	7.250	0.096
SIWCM73L-681	680	8.180	0.088
SIWCM73L-821	820	9.680	0.080
SIWCM73L-102	1000	15.400	0.072
SIWCM73L-122	1200	18.100	0.070
SIWCM73L-152	1500	18.800	0.064
SIWCM73L-182	1800	20.600	0.055
SIWCM73L-222	2200	32.300	0.050
SIWCM73L-272	2700	36.800	0.046
SIWCM73L-332	3300	40.900	0.040
SIWCM73L-392	3900	48.800	0.037



1. Tolerance of inductance: ±30% for 10~82μH, ±20% for 100~820μH, ±10% for 1000~3900μH.
2. I_{rated} is the DC current which cause the inductance drop 10% typical of its nominal inductance without current and the surface temperature of the part increase less than 45°C.
3. Operating temperature : -20°C to 105°C (including self-temperature rise).



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